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## **Professional Experience**

### **Software Engineer / Application Technical Lead**

PNC Bank | Jan 2021 – Present

#### - Leadership & Collaboration

- Led architecture and implementation of enterprise-scale microservices and APIs, supporting cross-departmental analytics initiatives.
- Mentored junior engineers, conducted code reviews, and enforced best practices across development and testing teams.

#### - Technical Achievements

- Built scalable, fault-tolerant cloud-native microservices with FastAPI, Docker, and Kubernetes, improving reliability and delivering business requests.
- Developed automated ETL workflows and data pipelines to support analytics and reporting, reducing manual processing.
- Migrated CI/CD pipelines using Helm and Jenkins, decreasing deployment time while ensuring quality and test coverage.
- Designed and implemented unit and automation tests (Pytest, Cucumber) to support TDD and maintain production stability.

### **Freelance Software Engineer**

Independent Projects | 2020 – Present

- Designed, developed, and deployed custom web and analytics applications for clients, from requirements gathering through production support.
  - Developed cloud-native applications including AWS, Python, React, and Docker, automating client processes and improving scalability.
  - Provided ongoing consulting, maintenance, and enhancements, ensuring client applications remained secure, scalable, and high-performing.
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## **Education**

**Master of Science, Data Science** – Indiana University

**Bachelor of Science, Exercise Science** – University of Indianapolis